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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/545,288	04/07/2000	Stephane Ayala	032326-057	1602
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EXAMINER TRINH, MINH N				
ART UNIT 3729		PAPER NUMBER		
NOTIFICATION DATE 08/21/2008		DELIVERY MODE ELECTRONIC		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com

# Office Action Summary

**Application No.**

09/545,288

**Applicant(s)**

AYALA ET AL.

**Examiner**

Minh Trinh

**Art Unit**

3729

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 May 2008.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1, 2, 4, 6-24, 27, 45 and 46 is/are pending in the application.  
4a) Of the above claim(s) 6-12, 27 and 29 is/are withdrawn from consideration.  
5) ☒ Claim(s) 45 and 46 is/are allowed.  
6) ☒ Claim(s) 1, 2 and 14-23 is/are rejected.  
7) ☒ Claim(s) 4, 13 and 24 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO/3508)  
Paper No(s)/Mail Date \_\_\_\_\_  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application  
6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

1. An amendment to the claims filed on or about 5/13/08 have been fully considered and made of record.
2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-2 and 14, 15-23 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. In this case, the specification discloses the insulating bridge 13 ( page 7, lines 3-6) for connecting antenna ends to connecting pads but fail to disclose whether the antenna ends and the pads to be electrically connected.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-2, 14 and 15-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is not known whether or not the antenna ends can be electrically connected to its associated pad by a bridge since a bridge is being the insulating bridge (see claim 1, lines 6-8).

5. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Fidalgo (5,598,032). Fidalgo discloses a method for manufacturing smart card having at least two turn antenna 5, a pair of connection pads 15 that are both disposed on the common side of the antenna turns, a support sheet 3 (note that both antenna turns and pads are on same size of the substrate 3), connecting the end of the antenna to one of the connection pads by insulating bridge 6 (see Fig. 3 for the teaching of the above, further also refer to the discussion at col. 3, lines 35-36). Regarding the newly amended subject matter such as "electrically connecting at least one of the ends of the antenna to a respective one of said connection pads by means of a bridge, this appears to be met by Fidalgo, applicant s refer to Figs. 1-2 show that the terminal of antenna 5 electrically connected to contact zone 12 includes pads 10 and 11 of module and further, 10-13 create a bridge like structure which is as broadly as readable as a bridge that connecting of the antenna and the connection pads as recited in claim 1. Furthermore, col. 4, about lines 6-10 of the reference teaches the electrical interconnection of 5, 15 and contact zone 12 as pads, etc.

As applied to claim 2, noting related embodiment such as Fig. 5 of the Fidalgo shows the insulation covering the antenna turns 5 in one zone as right hand side of Fig. 3 further the other zone as opposed to the one zone where a conductive element as 11 being connected to the outer end as top of the antenna 5 (see related Fig. 5 and the discussion at col. 3, lines 64-to col. 4, line 5).

6. Claims 14 and 15-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fidalgo.

As applied to claim 14, regarding the module is formed by a solder with a low melting point. As applied to claim 14, it is inherent that to use low melting solder for connection module to the antenna in order to protect the extremely heat that may damage to the forming device.

As applied to claims 15-20, it would have been obvious to one having skill in the art to incorporate the use of particular materials as recited in these claims since it was known in the art that selecting a material from a host of group of available materials on the basis of its suitability for the intended use as a matter of obvious design choice.

Limitations of claims 16-20 are similar to that as discussed above.

As applied to claims 21-23, it would have been an obvious matter of design choice to choose any desired means for connection between the connection pads of the antenna and the conductive pads of the module including the use of grease charged, silicon gasket charged, and/or additional gold deposited by thermal compression since applicant has not disclosed that these features are critical, patentably distinguishing

features and it appears that the invention would perform equally well with the conventional bonding techniques as taught by each of the prior art reference ( i.e., see the discussion of Fidago at cols. 5-6).

### ***Response to Arguments***

7. Applicant's arguments with respect to rejected claims have been considered but are ineffective to overcome the prior art reference (see new formulated final rejection above).
8. Claims 4, 13 and 24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
9. Claims 45-46 are allowed.
10. This application contains non elected claims 6-12, 27 and 29 drawn to an invention nonelected with traverse. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

### ***Conclusion***

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh Trinh whose telephone number is (571) 272-4569. The examiner can normally be reached on Monday -Thursday 8:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on (571) 272-4690. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mt

/Minh Trinh/  
Primary Examiner, 3729

8/16/08